

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04B7/005 H04L1/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04B H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 361 677 A (EVOLIUM S A S) 12 November 2003 (2003-11-12) abstract paragraphs '0002!, '0003!, '0005!, '0011!, '0012!, '0018!, '0034!, '0042!, '0048!, '0053!, '0054!, '0070! - '0075!, '0078!, '0088!	1,2, 4-14, 16-25
X	US 6 374 118 B1 (HOLMA HARRI ET AL) 16 April 2002 (2002-04-16) abstract column 1, line 60 - column 2, line 38 ----- -/--	1,2,4,5, 9-14,16, 17,21-25

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

8 December 2004

Date of mailing of the international search report

15/12/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Lustrini; D

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 01/01600 A (ANDERSON NICHOLAS ; NEILL RORIE O (GB); MOTOROLA LTD (GB)) 4 January 2001 (2001-01-04) abstract page 7, line 24 - page 8, line 22 -----	1,12,13, 24,25
A	WO 01/93455 A (ANDERSON NICHOLAS WILLIAM ; NEIL RORIE O (GB); MOTOROLA INC (US)) 6 December 2001 (2001-12-06) abstract page 10, line 22 - page 11, line 13 -----	1,12,13, 24,25

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No.

PCT/EP2004/051985

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1361677	A	12-11-2003	FR 2839590 A1	14-11-2003
			CN 1457203 A	19-11-2003
			EP 1361677 A1	12-11-2003
			US 2004082301 A1	29-04-2004
US 6374118	B1	16-04-2002	FI 980702 A	28-09-1999
			AU 755844 B2	19-12-2002
			AU 3037999 A	01-11-1999
			CN 1295773 T	16-05-2001
			EP 1064806 A2	03-01-2001
			WO 9953701 A2	21-10-1999
			JP 2002511720 T	16-04-2002
			NO 20004826 A	26-09-2000
WO 0101600	A	04-01-2001	GB 2351420 A	27-12-2000
			AT 249114 T	15-09-2003
			AU 760699 B2	22-05-2003
			AU 6429600 A	31-01-2001
			CN 1144391 C	31-03-2004
			DE 60005016 D1	09-10-2003
			DE 60005016 T2	03-06-2004
			WO 0101600 A1	04-01-2001
			EP 1195018 A1	10-04-2002
			US 6748232 B1	08-06-2004
WO 0193455	A	06-12-2001	GB 2363034 A	05-12-2001
			AU 7243701 A	11-12-2001
			WO 0193455 A1	06-12-2001